



Identification_Information:

Citation:

Citation_Information: Originator: U.S. Army Corps of Engineers, Jacksonville District(comp.)

Publication_Date: 20070403

Publication_Time: Unknown

Title: IWW J-M Martin County Cuts M-4 & 5, CrossRoads, OWW St Lucie River Cut-1 & 2

Edition: 07-039 FY07 Project Condition Survey

Geospatial_Data_Presentation_Form: map

Publication_Information:

Publication_Place: U.S Army Corps of Engineers Jacksonville District

Publisher: U.S. Army Corps of Engineers, Jacksonville District, Construction-Operations

Description:

Abstract: Hydrographic survey data was collected at 100 foot station intervals along the centerline. Elevations are in feet and tenths and refer to Mean Low Water (MLW). which is -0.4' for OWW Cuts 1 & 2 & -0.7' for IWW Cuts M4 & M5 below NGVD29. All Elevations are below the chart datum unless preceded by a (+) sign. Tidal reductions were made from a staff set on DBN-7 and from benchmark "Snake" . Plane Coordinates are based on the Transverse Mercator Projection for the East Zone of Florida and referenced to North American Datum of 1927 (NAD27). All azimuths are grid, reckoned clockwise from South. All Stationing refers to the Centerline of the Channel. Survey was performed by using Differential GPS for positioning and utilizing the USCG Navbeacon System as the reference site. Vertical measurements were made using a Ross Smart Sounder Depth Recorder with a 200KHZ (High Frequency) Transducer. Vessel WB-34 date of survey 08 Mar 2007 Cut IWW M-4 & M-5 & OWW Cuts 1 & 2. Aids to Navigation were located during this survey. Survey accuracy performance standards, quality control, and quality assurance requirements were followed during this survey in accordance with USACE EM 1119-2-1003, Hydrographic Surveying, 1 Jan 2002.

Purpose: Project Condition FY07

Supplemental_Information: This data set consists of 4 sheets at a scale of 1" = 100'.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20070307

Range_of_Dates/Times:

Currentness_Reference: Ground Condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -080.194299
East_Bounding_Coordinate: -080.179881
North_Bounding_Coordinate: +27.177462
South_Bounding_Coordinate: +27.166434

Keywords:

Theme:

Theme_Keyword_Thesaurus: Tri - Service Spatial Data Standard
Theme_Keyword: Hydrography

Place:

Place_Keyword_Thesaurus: Geographic Names Information

System

Place_Keyword: Florida
Place_Keyword: Martin County
Place_Keyword: IWW
Place_Keyword: OWW
Place_Keyword: CrossRoads

Access_Constraints: None

Use_Constraints:

The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Army Corps of Engineer
Jacksonville District, Construction-Operation Division

Contact_Person: Brain K. Brodehl

Contact_Position: Chief, Hydrographic Survey Section

Contact_Address:

Address_Type: mailing address

Address:

U. S. Army Corps of Engineers,
Jacksonville District CO-OH
701 San Marco Blvd

City: Jacksonville

State_or_Province: Florida

Postal_Code: 32207-8175

Country: USA

Contact_Voice_Telephone: 904-232-3600

Contact_Facsimile_Telephone: 904-232-3696

Contact_Electronic_Mail_Address:

brian.k.brodehl@saj02.usace.army.mil

Hours_of_Service: Any Time

Data_Set_Credit:
U.S. Army Corps of Engineers, Jacksonville District,
Construction-Operation Division, Operation Branch,
Hydrographic Survey Section

Security_Information:
Security_Handling_Description: n/a
Security_Classification: Other
Security_Classification_System: n/a

Native_Data_Set_Environment:
Data collection and editing using Coastal Oceanographics
Hypack Software and Mapped using Bentley Microstation.

Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Point

Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System 1927
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 0901
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.9999411765
Longitude_of_Central_Meridian: -081.000000
Latitude_of_Projection_Origin: +24.200000
False_Easting: 152400.3048 m
False_Northing: 0 M
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.01
Ordinate_Resolution: 0.01
Planar_Distance_Units: Survey Feet

Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1927
Ellipsoid_Name: Clarke 1866
Semi-major_Axis: 6378206.4m
Denominator_of_Flattening_Ratio: 1/294.98

Vertical_Coordinate_System_Definition:
Altitude_System_Definition:
Altitude_Datum_Name: National Geodetic Vertical Datum of 1929
Altitude_Resolution: 0.0
Altitude_Distance_Units: Feet
Altitude_Encoding_Method: Explicit elevation coordinate included
with horizontal coordinates

Depth_System_Definition:

Depth_Datum_Name: NGVD 1929 with Mean Low Water Datums applied
Depth_Resolution: 0.1
Depth_Distance_Units: Feet
Depth_Encoding_Method: Explicit depth coordinate included with horizontal coordinates
Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: U.S. Army Corps of Engineers
Jacksonville District, Construction-Operation Division
Contact_Person: Brian K. Brodehl
Contact_Position: Chief, Hydrographic Survey Section
Contact_Address:
Address_Type: mailing and physical address
Address:
U.S. Corps of Engineers,
Jacksonville District CO-OH
701 San Marco Blvd
City: Jacksonville
State_or_Province: Florida
Postal_Code: 32207-8175
Country: USA
Contact_Voice_Telephone: 904-232-3600
Contact_Facsimile_Telephone: 904-232-3696
Contact_Electronic_Mail_Address: brian.k.brodehl@saj02.usace.army.mil
Hours_of_Service: Any Time
Contact_Instructions: n/a
Resource_Description: Survey 07-039
Distribution_Liability:
The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: DGN
File-Decompression_Technique: No compression applied
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Network_Resource_Name: www.saj.usace.army.mil/hydroSurvey/hydro.htm

Access_Instructions: www.saj.usace.army.mil/hydroSurvey/hydro.htm

Fees: N/A

Metadata_Reference_Information:

Metadata_Date: 20070406

Metadata_Review_Date: 20070406

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: U.S. Army Corps of Engineer
Jacksonville District, Construction-Operation Division

Contact_Person: Brian K. Brodehl

Contact_Position: Chief, Hydrographic Survey Section

Contact_Address:

Address_Type: mailing address

Address: U.S. Army Corps of Engineers,
Jacksonville District CO-OH
701 San Marco Blvd

City: Jacksonville

State_or_Province: Florida

Postal_Code: 32207-8175

Country: USA

Contact_Voice_Telephone: 904-232-3600

Contact_Facsimile_Telephone: 904-232-3696

Contact_Electronic_Mail_Address: brian.k.brodehl@saj02.usace.army.mil

Hours_of_Service: Any Time

Contact_Instructions: n/a

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: Local time

Metadata_Access_Constraints: None

Metadata_Use_Constraints:

The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.

Metadata_Security_Information:

Metadata_Security_Handling_Description: n/a

Metadata_Security_Classification: Unclassified

Metadata_Security_Classification_System: n/a